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Server/Workstation Solutions

Tomcat K8E-SLI

S2866

AMD Athlon64/Opteron™ (S939) Platform with PCI Express & SLI technology support

- AMD Athlon 64/Opteron™ 100 series socket 939 CPU support
- Up to 4GB DDR400 Unbuffered memory supported
- (2) PCI-E x16 slots, support two PCI-E x8 SLI technology
- (3) Integrated LAN ports: (2) GbE LAN + (1) 10/100 LAN
- Dual IEEE 1394a ports via cable
- Integrated 2D/3D PCI Graphics

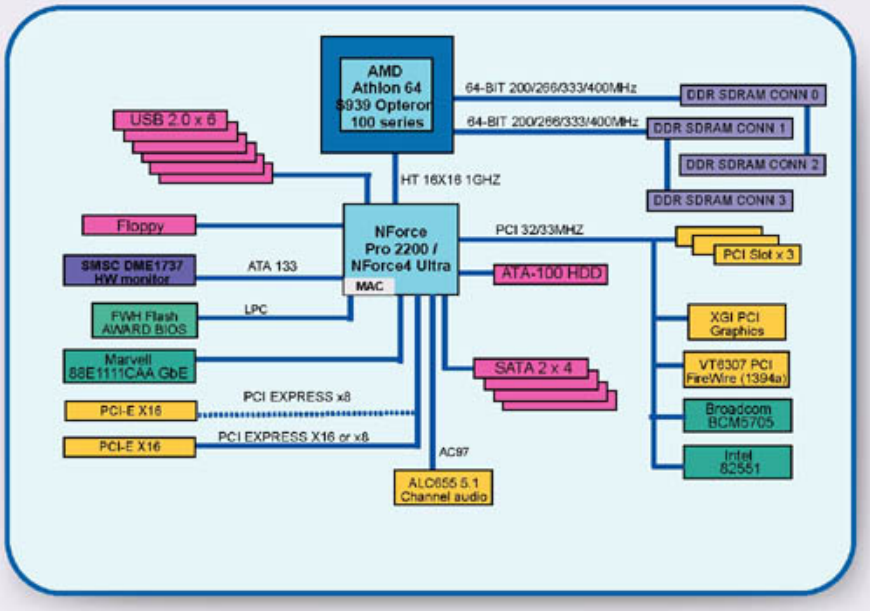
(Specifications are subject to change without notice. Items pictured may only be representative.)

Tomcat K8E-SLI

S2866G3NR
S2866A2NRF

▲TOP View

Block Diagram



SPECIFICATIONS

Processors
- uPGA 939-pin socket
- AMD Athlon 64 939 Processor up to Athlon 64 4000+ , Athlon64 FX55, X2, and Socket 939 Opteron 100 series 144, 148, 152, 165, 170, 175.
- Up to 1000 MHz Hyper-Transport link supportrt

Chipset
- nVIDIA nForce pro2200(S2866A2NRF), w/ SLI technology support
- nVIDIA nForce4 Ultra(S2866G3NR), without SLI technology support
- SMSC DME1737

Memory
- Dual memory channels
- Supports up to four DDR-400/333 DIMMs
- Up to 4GB of Unbuffered, ECC/non-ECC memory

Expansion Slots
- One x16 PCIe connector(#6)
- One x16 PCIe connector(#4)support SLI technology for x8 PCIe signal
- One SODIMM socket for SLI card(#5)
- Three 32-bit, 33MHz PCI v2.2 slots

System Management
- SMSC DME1737 w/ hardware monitoring
- Total six 4pin FAN connectors, FAN1, FAN2, FAN3, CPU FAN have both tachometer and auto FAN control, FAN4 has only auto FAN control with FAN3, FAN5 always run.
- Temperature and voltage monitoring
- Watchdog timer

Integrated PCI IDE
- Single channel master mode supports two IDE devices
- Support for ATA-133/100/66/33 IDE drives and ATAPI compliant devices

Back Panel I/O Ports
- Stacked PS/2 Mouse & Keyboard ports
- COM1 connector
- One 15-pin VGA port
- 3 audio jacks(S2866A2NRF)
- Stacked two RJ45 ports for nVIDIA/ and BCM5705 Gigabit LAN with link/activity LED
- Stacked two USB2.0 and one RJ45 port for Intel 82551 10/100 LAN with link/activity LED

Integrated I/O Interfaces
- Four USB 2.0 Ports (via cable)
- One COM port (via cable)
- Tyan 2 x 9 front-panel pin header
- 2x25 pin SMDC pin header

Integrated Serial ATA2
- Serial ATA2 Host controllers embedded
- Supports four Serial ports running at 3Gb/s
- NV RAID RAID 0, 1, 0+1 and JBOD support
- SATA activity LED connector

Integrated LAN controllers
- One Broadcom BCM5705 GbE controller
  - Operating at PCI v2.2 interface
  - Pin headers for front panel LAN LED
- One Intel82551 10/100 LAN controller(S2866G3NR)
  - Operating at PCI v2.2 interface WOL/PXE support
  - Pin headers for front panel LAN LED
- One integrated nVIDIA MAC with Marvell 88E1111-CAA Gigabit Ethernet PHY
  - 32bit PCI v2.3 interface
  - WOL/PXE support
  - Pin header for front panel LAN LED

Intelligent Platform Management Interface Header(2x25 pin SMDC pin header)
- Tyan Server Management Daughter card M3291(Optional) supports features listed below via IPMI header

Integrated PCI 1394(S2866A2NRF)
- VIA VT6307 PCI FireWire (1394) controller
- Two 1394 ports (via cable)

Integrated Audio (S2866A2NRF)
- Realtek ALC655 audio CODEC
- AC'97 Rev.2.3 supported.
- CD-in connector

Integrated 2D/3D PCI Graphics (S2866G3NR)
- XGI XG20 PCI graphic controller
- 16MB Frame Buffer of video memory

BIOS
- Award BIOS 8Mbit Flash
- Supports APM 1.2 & ACPI 1.0
- PnP, DMI2.0, WfM2.0 Power Managementt

Power
- ATX12V support, On board 4-phase VRM
- Universal 24-pin + 8-pin power connectors
- 4-pin auxiliary power connector

Form Factor
- ATX footprint, 9.6" x 12.0¡¨ (244mm x 305mm)

Regulatory
- FCC Class B (Declaration of Conformity)
- CE (Declaration of Conformity)

Special Accessories:
1. SLI card M5001.
2. SLI bridge card M5000.((S2866A2NRF)

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